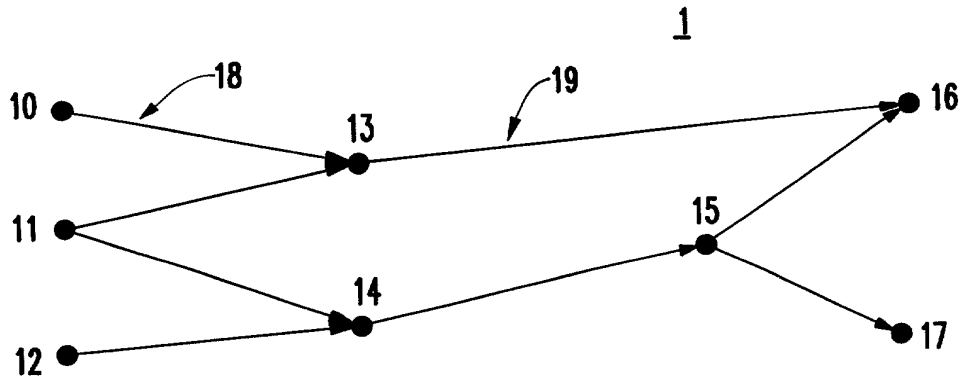

FIG.1

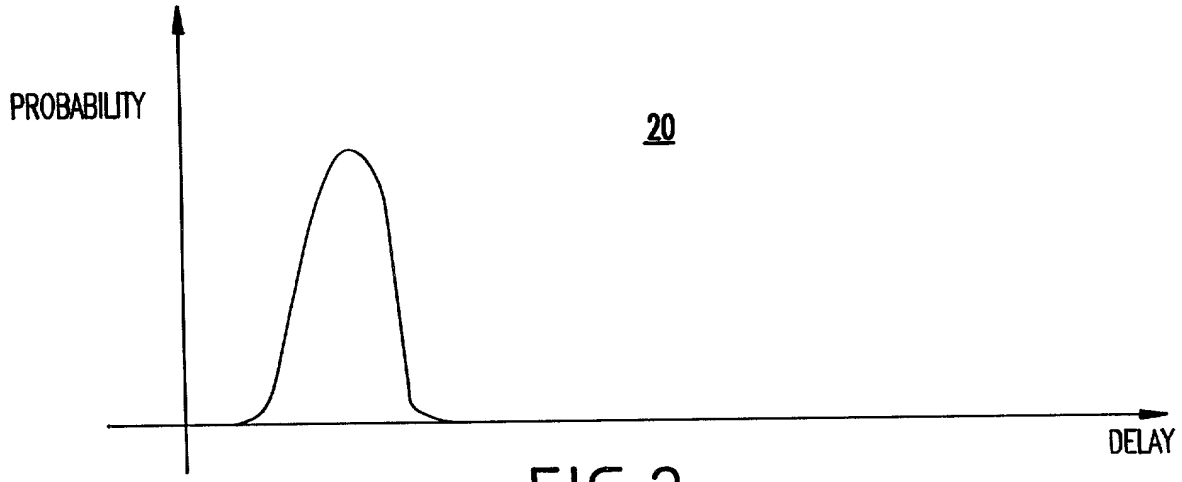

FIG.2

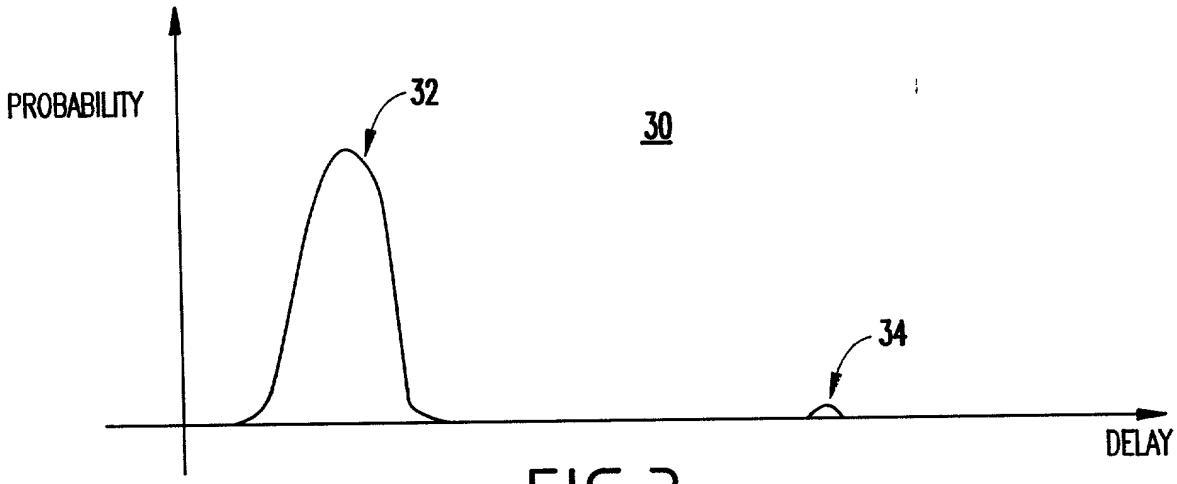

FIG.3

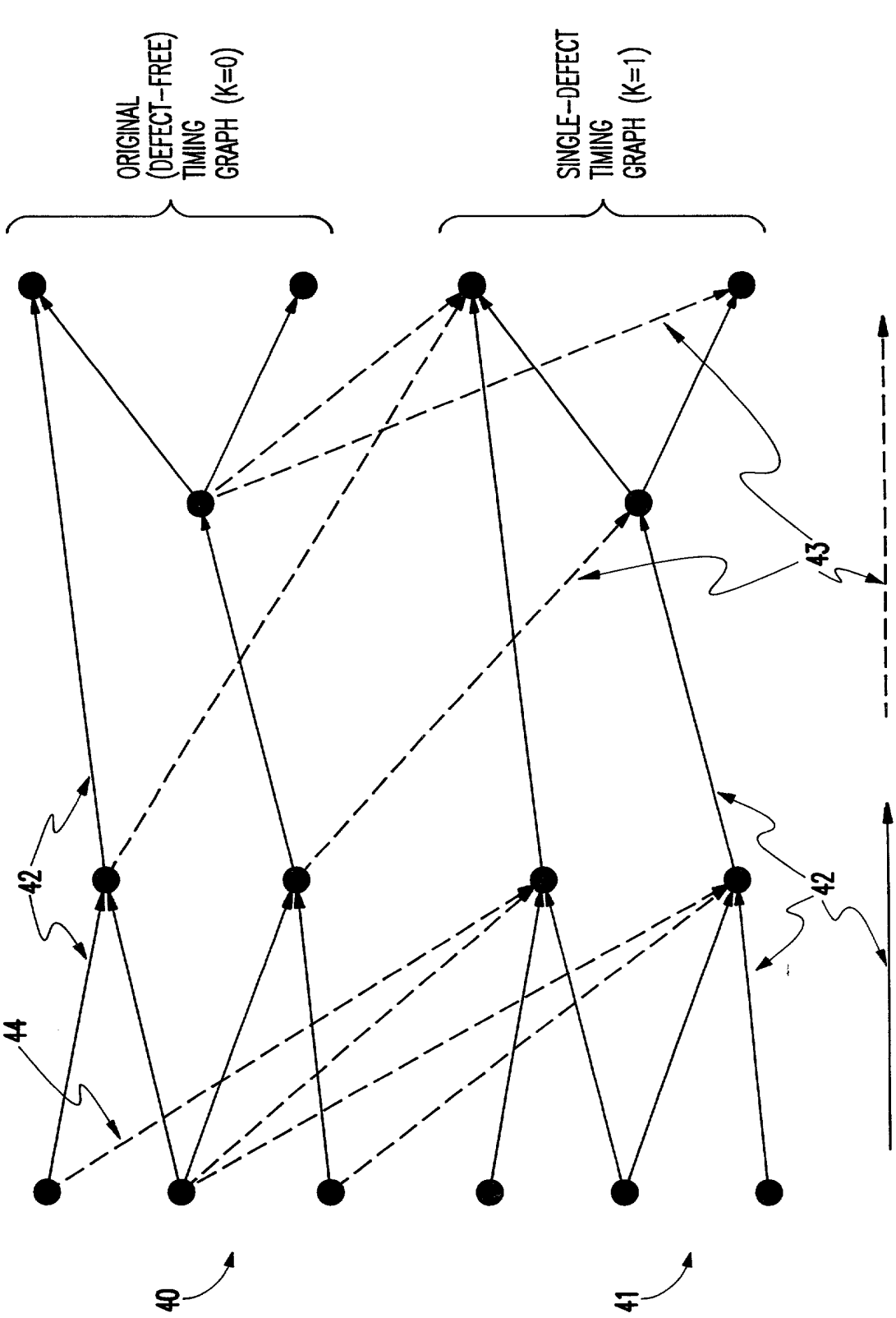
ORIGINAL (DEFECT-FREE) TIMING GRAPH (K=0)
SINGLE-DEFECT TIMING GRAPH (K=1)
40
41
42
42
43
44
DEFECT DELAY EDGE
NORMAL DELAY EDGE

FIG.4A

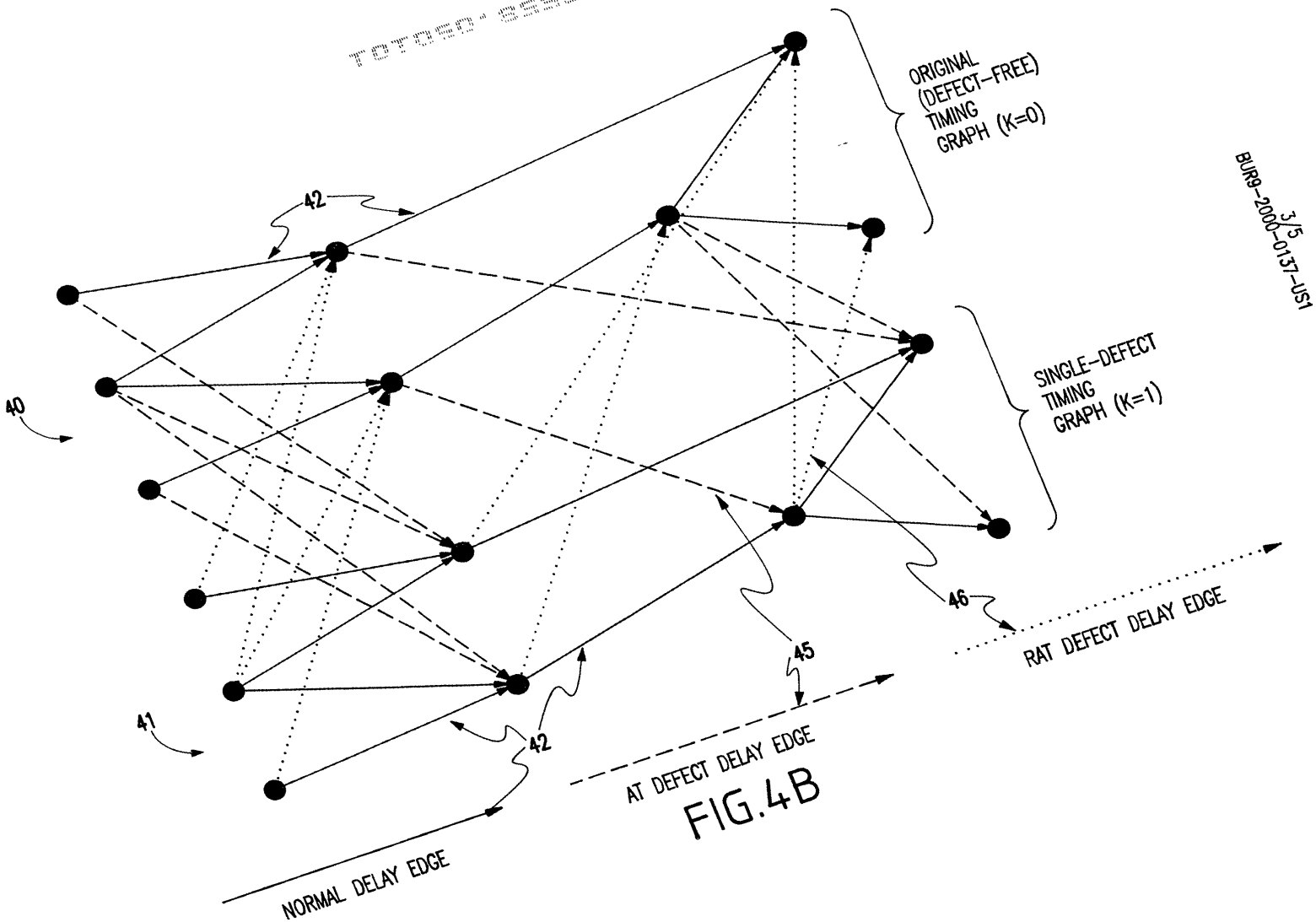
ORIGINAL
(DEFECT-FREE)
TIMING
GRAPH (K=0)
SINGLE-DEFECT
TIMING
GRAPH (K=1)
40
41
42
42
42
45
46
NORMAL DELAY EDGE
AT DEFECT DELAY EDGE
RAT DEFECT DELAY EDGE

FIG.4B

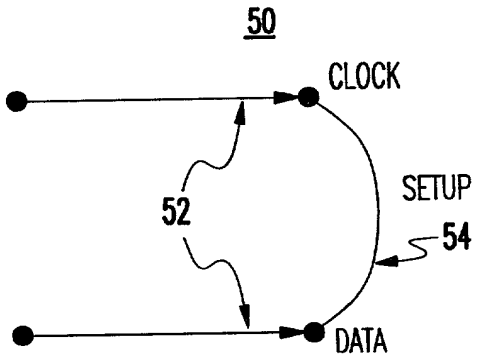

FIG.5A

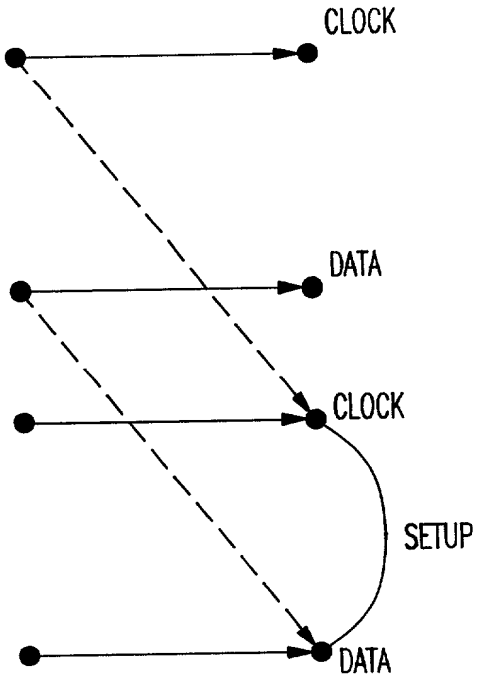

FIG.5B

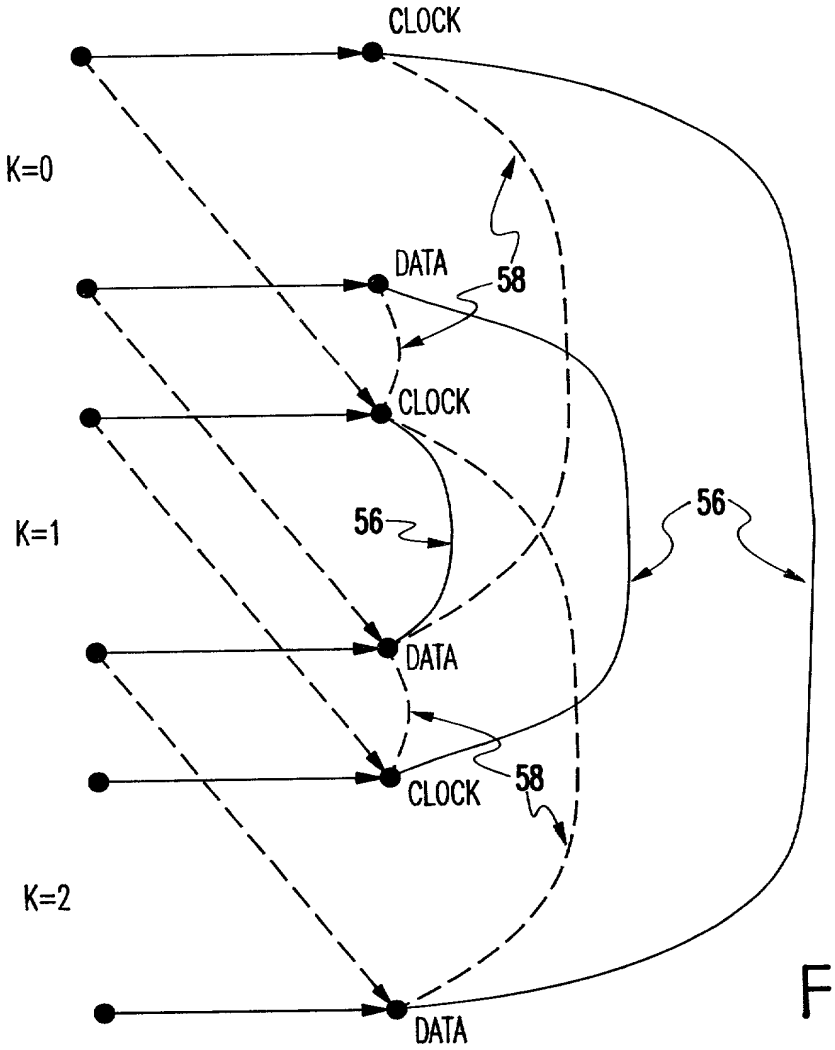

FIG.5C

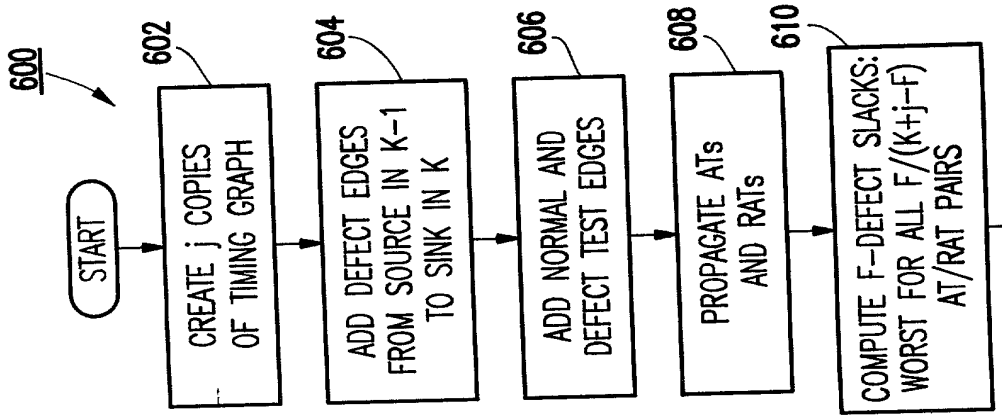

FIG.6

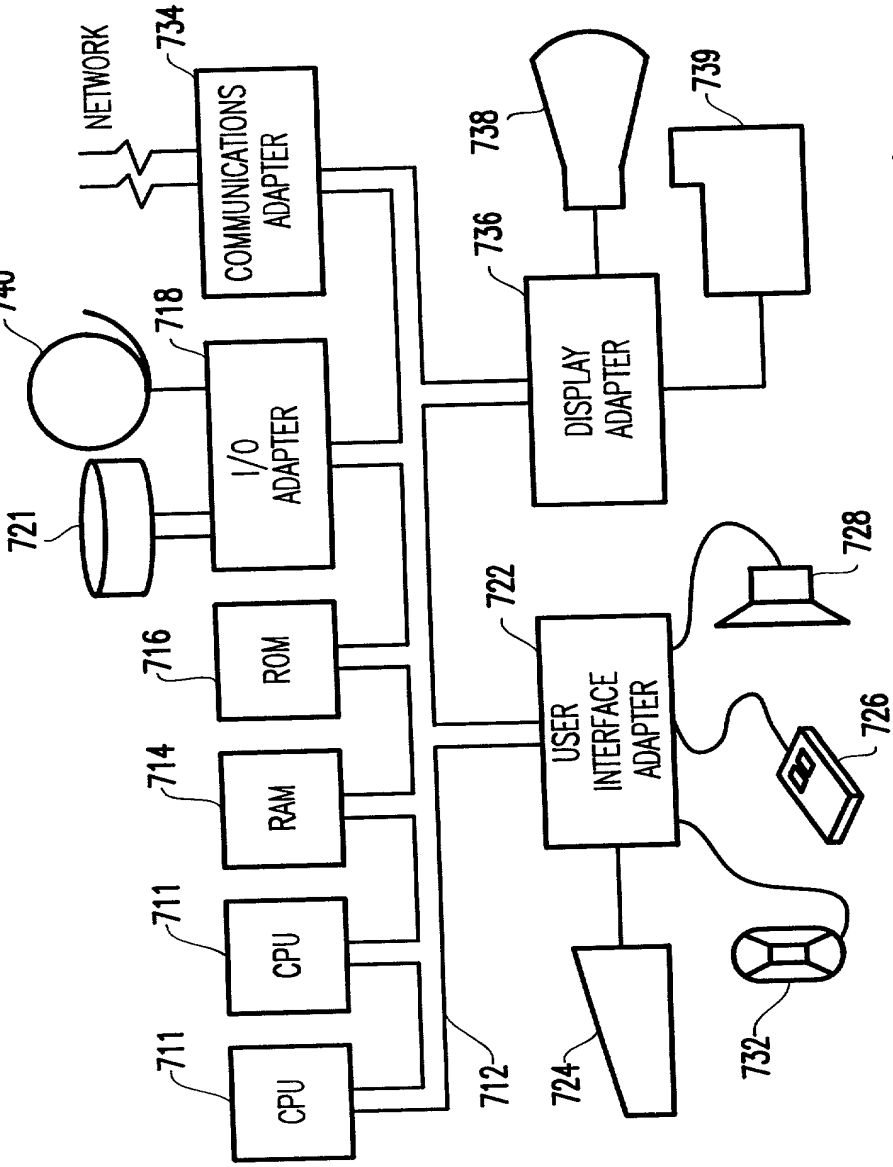

FIG.7

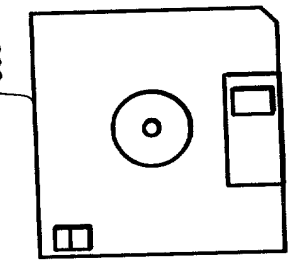

FIG.8

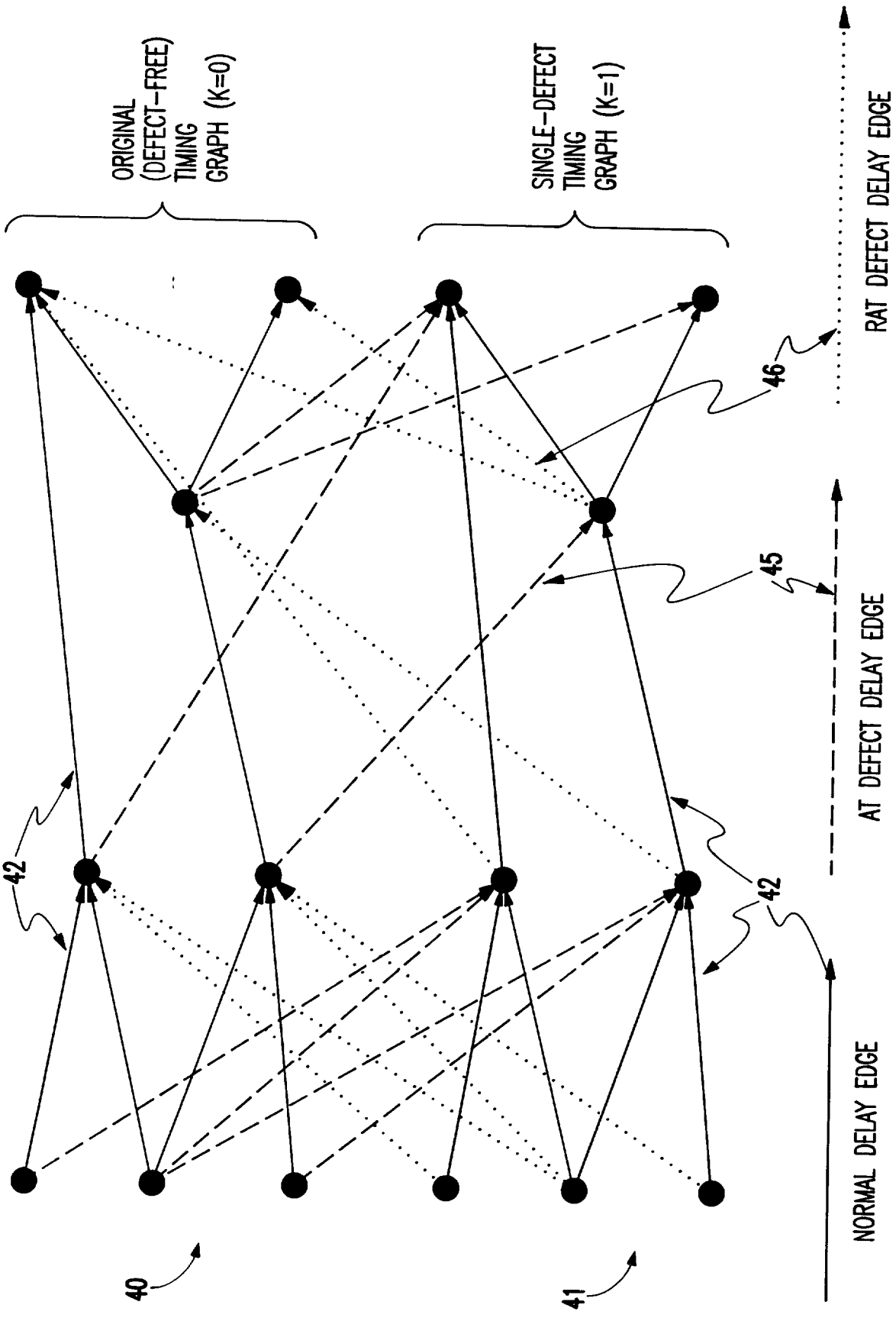
ORIGINAL (DEFECT-FREE) TIMING GRAPH (K=0)
SINGLE-DEFECT TIMING GRAPH (K=1)
RAT DEFECT DELAY EDGE
AT DEFECT DELAY EDGE
NORMAL DELAY EDGE
40
41
42
45
46

FIG.4B